

MX1 SERIES



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Moisture Detector

Installer's Specifications

Input Power	12-30VDC/24VAC; 10-year lithium battery model available
Max. Current Draw, Voltage Units Only	10mA
Output	N.C. solid-state; opens on alarm
Output Rating	30VAC/DC @ 0.1A max., polarity insensitive
Sensing Electrodes	Gold plated
Sensor Power, Voltage Units Only	24VDC/24VAC nom., 30VDC/30VAC max.
Operating Environment:	
Temperature	-20° to 80°C (-4° to 176°F)
Humidity	0 to 100% RH

NOTICE


- This product is not intended for life or safety applications.
- Do not install this product in hazardous or classified locations.
- Read and understand the instructions before installing this product.
- Turn off all power supplying equipment before working on it.
- The installer is responsible for conformance to all applicable codes.

QUICK INSTALL

1. Install the MX1 in the area to be monitored (e.g. under carpet, on pipe, in condensate pan, etc.). Install bottom side down, so that probes will be in contact with any moisture that collects.
2. Mount MX1 using self-tapping screw provided.
3. Wire as shown.

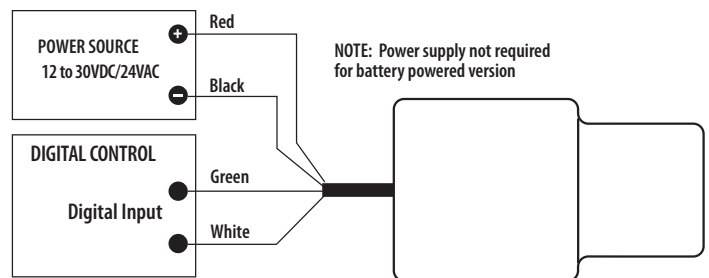
PRODUCT IDENTIFICATION

Power Source

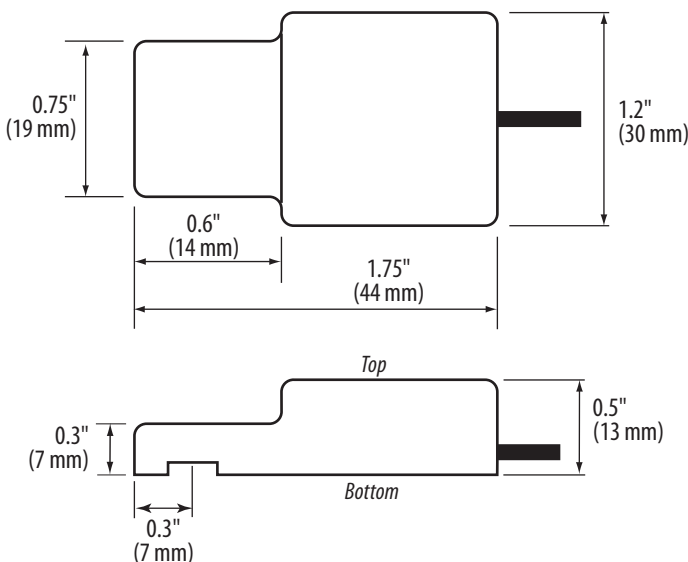
MX1  B = Battery
V = 12-30VDC/24VAC



WIRING



DIMENSIONS



OPERATION

When the area surrounding the device is dry, there is infinite resistance between the probes. When liquid comes into contact, the resistance decreases. When the resistance is <1000 kΩ, the alarm will trigger.

The following table shows typical resistance values for several common solutions. These values are approximations; the resistance will vary greatly with concentration of contaminants in the water.

Equivalent Resistance Values of Water	
Water	Resistance
Distilled	2000 kΩ
Filtered	350 kΩ
Tap	300 kΩ
Ice (Melted)	150 kΩ
Detergent	100 kΩ
Salt	75 kΩ

All sensors are factory tested in clean, filtered water at 27VAC. Do not use the MX1 sensor in distilled water.